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T-131 P03/10 U-343

Claims

Appl. No. 10/063,868

Listing of the Claims

Claim 1 (original): An electric drive assembly comprising a torque generator; an inverter assembly which is coupled to said torque generator; a current regulator which is coupled to said inverter assembly; and a controller which is coupled to said current regulator, said controller receiving a torque request signal and, in response to said received torque request signal, said controller selects a certain value and generates a signal to said inverter assembly which is effective to cause said inverter assembly to produce a voltage signal having a certain amplitude attribute and a certain phase angle attribute, said controller further compares at least one of said attributes of said voltage signal with said selected certain value and, based upon said comparison, generates a signal indicative of undesired torque generation.

Claim 2 (currently amended): The ~~method~~ electric drive assembly of Claim 1 wherein said certain value comprises a voltage value.

Claim 3 (original): The electric drive assembly of Claim 1 wherein said certain value comprises a phase angle value.

Claim 4 (previously presented): The electric drive assembly of Claim 1 wherein said electric drive assembly comprises a positive feedback assembly which is coupled to said controller and which is selectively activated by said signal indicative of undesired torque generation which is generated by said controller.